

SEQUENCE LISTING

<110> EXELIXIS, INC.

<120> FLJ20647s AS MODIFIERS OF THE p21 PATHWAY AND METHODS OF USE

<130> EX03-065C-PC

<150> US 60/411,010

<151> 2002-09-16

<160> 4

<170> PatentIn version 3.2

<210> 1

<211> 1245

<212> DNA

<213> Homo sapiens

<400> 1

ggcacgaggc	aggcgctgac	gaggagcccg	gctgagggag	gatgcgccgc	tgacgcctgc	60
gggagccgcg	cgcctggggc	gggaggatgc	tccagagggg	cctctggccg	tggcgcacgc	120
ggctgctgcc	gaccctggc	acctggcgcc	cagcgccccc	gtggccgctg	ccgcctccgc	180
cccaagtttt	gcgtgtgaag	ctgtgtggaa	atgtgaaata	ctaccagtca	caccattata	240
gtaccgttgtt	gccacactgat	gaaataaacag	ttatttatag	acatggcctt	cccttggtaa	300
cacttacctt	gccatctaga	aaagaacgtt	gtcaattcgt	agtcaaacc	atgttgtcaa	360
cagttggttc	attccttcag	gacctacaaa	atgaagataa	gggtatcaaa	actgcagcca	420
tcttcacagc	agatggcaac	atgatttcag	cttctacctt	gatggatatt	ttgctaattga	480
atgattttaa	acttgtcatt	aataaaatag	catatgtatgt	gcagtgtcca	aagagagaaa	540
aaccaagtaa	tgagcacact	gctgagatgg	aacacatgaa	atccttggtt	cacagactat	600
ttacaatctt	gcatttagaa	gagtctcaga	aaaagagaga	gcaccattta	ctggagaaaa	660
ttgaccacct	gaaggaacag	ctgcagcccc	ttgaacaggt	gaaagctgga	atagaagctc	720
attcggaaagc	caaaaccagt	ggactcctgt	gggctggatt	ggcactgctg	tccattcagg	780
gtggggcact	ggcctggctc	acgtggtggg	tgtactcctg	ggatatcatg	gagccagtt	840
catacttcat	cacatttgca	aattctatgg	tctttttgc	atactttata	gtcactcgac	900
aggattatac	ttactcagct	gttaagagta	ggcaatttct	tcaagttctc	cacaagaaat	960
caaagcaaca	gcactttgat	gtgcagcaat	acaacaagtt	aaaagaagac	cttgctaagg	1020
ctaaaagaatc	cctgaaacag	gcbcgtcatt	ctctctgttt	gcaaattgca	gtagaagaac	1080
tcaatgaaaa	gaattaatct	tacagtttta	aatgtcgtca	gatttccat	tatgtattga	1140
tttgcaact	taggatgttt	ttgagtcaca	tggttcattt	tgattgttta	atctttgtta	1200
ttaaatttctt	gtaaaacaga	aaaaaaaaaa	aaaaaaaaaa	aaaaaa		1245

<210> 2
<211> 2929
<212> DNA
<213> Homo sapiens

<400> 2
gagatggcg cgcgcgcagg tagatcgctc ctgctgctcc ttcctctcg gggcgccggc 60
ggcgccccggc cggcgccgtg cggggcgctg actgccggct gttccctgg gctggcgtc 120
agccgccacc ggcagcagca gcaccacccg acggtacacc agaggatcgc ttccctggcag 180
aatttggag ctgtttattt cagcactgtt gtgcctctg atgatgttac agtggttat 240
caaaatgggt tacctgttat atctgtgagg ctaccatccc ggcgtgaacg ctgtcagttc 300
acactcaagc ctatctctga ctctgttgtt gtattttac gacaactgca agaagaggat 360
cggggattt acagagttgc tatctattca ccagatggtg ttgcgttgtc tgcttcaaca 420
ggaatagacc tcctcctcct ttagtacttt aagctggta ttaatgactt aacataaccac 480
gtacgaccac caaaaagaga cctcttaagt catgaaaatg cagcaacgct gaatgtatgt 540
aagacattgg tccagcaact atacaccaca ctgtgcattt agcagcacca gttaaacaag 600
gaaagggagc ttattgaaag actagaggat ctcaaagagc agctggctcc cctggaaaag 660
gtacgaattt agattagcag aaaagctgag aagaggacca ctttggtgc atgggggtggc 720
cttgcctaca tggccacaca gtttggcatt ttggcccgcc ttacctggtg ggaatattcc 780
tggacatca tggagccagt aacatacttc atcacttatg gaagtgcatt ggcaatgtat 840
gcataatggta taatgacacg ccaggaatat gtttatccag aagccagaga cagacaatac 900
ttactattt tccataaaagg agccaaaaag tcacgtttt acctagagaa atacaatcaa 960
ctcaaggatg caattgctca ggcagaaatg gacctaaga gactgagaga cccattacaa 1020
gtacatctgc ctctccgaca aattggtcaa aaagatttgc ctgaaaaatg cctctgaatc 1080
ctggcagaag gaacacctgt ttgcctttt aattaaagca ttgcagggtgg aagctggag 1140
ccatgtgggg ggttagagcgt ttttaccttt aattataaaa caaaaacaga aaggatctga 1200
ggaaagaagg gaatgttaaa acctgaggat caggcattgt ggaatataag ctcaaaggc 1260
ttagtgaata ttgtcttaac caagtatctc agtttctgga tgaaaatgtat gcagttat 1320
agttgagaga ttcataaaaga gaaaacaatg ctgggggtgt tcgtttcttgc catcttctt 1380
gcagagtcag caaaaagagta acacaccagc accccactcg actctattt tttttat 1440
aactgtccct attttgcata taggagtaaa taaatataact agaaaagcaa attctcatga 1500
tatgctaaaa tatcatttagc atttattta aattggaccc agtctctgca gagttaccag 1560
gaatcttcc ttccagcatc ctttactga ccacctacct gtacctcttgc gttacactca 1620

tttttccat ttgataattg gaaccaaactt ataactgttt aataattgac acttagatt 1680
 atctcttaat accttcttaa atgtctatat atcccagtgc tctggatcag tgtctaaaa 1740
 tcactggcaa cactgcatga ggttgggt ttttttgt tttattaatt agtcttcac 1800
 aggaggaata attgccctcc tttatatact tatctattga taatcccctc tccctccaga 1860
 acacaaatca gagggaaagg ggggttcag ctgtactacc aaatcaggaa gatgttaagg 1920
 ttacaaaattg gctaagaatc atggctctgt agccattca accagaataa ttttattgct 1980
 aatctgctt gtgtgacagc attccaggcc agccagatgg gactgccttg tctggaggct 2040
 ttgttcatct cgaaggacac acactccac actgtttgtg agccctccca cttccacaac 2100
 ttcagttgta aatcaagtgt gtggatctca aagggtgcaa tttatctta tataggaata 2160
 catttctagg gtttccttca agccactct cttcacccctt tttttctta tcttaattg 2220
 agagaaaagag aattaatctt atacttgc aaaaattttt ctaccatatt tccagatgac 2280
 atctgcgctt gaagagtcaa aggaatctgt gtctaataatc ctgttttaa ctgctgttagg 2340
 ggcaggatgg aaaggatgat gggggtgc acaccactga ttggcctttt ctttcacgtg 2400
 attcatcctt ctcattgtg gcaaggagtt tctttcttctt tttcttcctc ctttggatc 2460
 attgtgtatg aaaagaaaaa cttaaatga caaacccaga ctccaggtgc cttgcaaagg 2520
 ttgaaggcca gccaggattg ctgctgctgc tgctactcct gccaacaccc ctttcattgg 2580
 catgacggaa tgaaaggatg catgtctcca cttcctgacc ctccgccccac ttccttctcc 2640
 ctccaccacc cccagtcgtc agtccttcc ctcatttatt tttgttaagt tgtgtgaatt 2700
 attttaacc catttatcct gtttgtcat agggtttta agaagaaaca gcacagtgca 2760
 acgagcaaat cttttgggg tgtgtggaa gcaagggagg gaggacatgg agaaaagttc 2820
 tttaaacaaa tagcaaacta ttgaacatgt gtaaaatcct gtatcattta tgaaatatgt 2880
 ataaaaagca atgtaccttc tggaacaata aatacttatt caattttt 2929

<210> 3
 <211> 248
 <212> PRT
 <213> Homo sapiens

<400> 3

Met	Leu	Ser	Thr	Val	Gly	Ser	Phe	Leu	Gln	Asp	Leu	Gln	Asn	Glu	Asp
1					5				10				15		

Lys	Gly	Ile	Lys	Thr	Ala	Ala	Ile	Phe	Thr	Ala	Asp	Gly	Asn	Met	Ile
								20				25			30

Ser	Ala	Ser	Thr	Leu	Met	Asp	Ile	Leu	Leu	Met	Asn	Asp	Phe	Lys	Leu
								35				40			45

Val Ile Asn Lys Ile Ala Tyr Asp Val Gln Cys Pro Lys Arg Glu Lys
50 55 60

Pro Ser Asn Glu His Thr Ala Glu Met Glu His Met Lys Ser Leu Val
65 70 75 80

His Arg Leu Phe Thr Ile Leu His Leu Glu Glu Ser Gln Lys Lys Arg
85 90 95

Glu His His Leu Leu Glu Lys Ile Asp His Leu Lys Glu Gln Leu Gln
100 105 110

Pro Leu Glu Gln Val Lys Ala Gly Ile Glu Ala His Ser Glu Ala Lys
115 120 125

Thr Ser Gly Leu Leu Trp Ala Gly Leu Ala Leu Leu Ser Ile Gln Gly
130 135 140

Gly Ala Leu Ala Trp Leu Thr Trp Trp Val Tyr Ser Trp Asp Ile Met
145 150 155 160

Glu Pro Val Thr Tyr Phe Ile Thr Phe Ala Asn Ser Met Val Phe Phe
165 170 175

Ala Tyr Phe Ile Val Thr Arg Gln Asp Tyr Thr Tyr Ser Ala Val Lys
180 185 190

Ser Arg Gln Phe Leu Gln Phe Phe His Lys Lys Ser Lys Gln Gln His
195 200 205

Phe Asp Val Gln Gln Tyr Asn Lys Leu Lys Glu Asp Leu Ala Lys Ala
210 215 220

Lys Glu Ser Leu Lys Gln Ala Arg His Ser Leu Cys Leu Gln Met Gln
225 230 235 240

Val Glu Glu Leu Asn Glu Lys Asn
245

<210> 4
<211> 351
<212> PRT
<213> Homo sapiens

<400> 4

Met Ala Ala Ala Ala Gly Arg Ser Leu Leu Leu Leu Ser Ser Arg

1

5

10

15

Gly Gly Gly Gly Ala Gly Gly Cys Gly Ala Leu Thr Ala Gly
20 25 30

Cys Phe Pro Gly Leu Gly Val Ser Arg His Arg Gln Gln Gln His His
35 40 45

Arg Thr Val His Gln Arg Ile Ala Ser Trp Gln Asn Leu Gly Ala Val
50 55 60

Tyr Cys Ser Thr Val Val Pro Ser Asp Asp Val Thr Val Val Tyr Gln
65 70 75 80

Asn Gly Leu Pro Val Ile Ser Val Arg Leu Pro Ser Arg Arg Glu Arg
85 90 95

Cys Gln Phe Thr Leu Lys Pro Ile Ser Asp Ser Val Gly Val Phe Leu
100 105 110

Arg Gln Leu Gln Glu Glu Asp Arg Gly Ile Asp Arg Val Ala Ile Tyr
115 120 125

Ser Pro Asp Gly Val Arg Val Ala Ala Ser Thr Gly Ile Asp Leu Leu
130 135 140

Leu Leu Asp Asp Phe Lys Leu Val Ile Asn Asp Leu Thr Tyr His Val
145 150 155 160

Arg Pro Pro Lys Arg Asp Leu Leu Ser His Glu Asn Ala Ala Thr Leu
165 170 175

Asn Asp Val Lys Thr Leu Val Gln Gln Leu Tyr Thr Thr Leu Cys Ile
180 185 190

Glu Gln His Gln Leu Asn Lys Glu Arg Glu Leu Ile Glu Arg Leu Glu
195 200 205

Asp Leu Lys Glu Gln Leu Ala Pro Leu Glu Lys Val Arg Ile Glu Ile
210 215 220

Ser Arg Lys Ala Glu Lys Arg Thr Thr Leu Val Leu Trp Gly Gly Leu
225 230 235 240

Ala Tyr Met Ala Thr Gln Phe Gly Ile Leu Ala Arg Leu Thr Trp Trp
245 250 255

Glu Tyr Ser Trp Asp Ile Met Glu Pro Val Thr Tyr Phe Ile Thr Tyr
260 265 270

Gly Ser Ala Met Ala Met Tyr Ala Tyr Phe Val Met Thr Arg Gln Glu
275 280 285

Tyr Val Tyr Pro Glu Ala Arg Asp Arg Gln Tyr Leu Leu Phe Phe His
290 295 300

Lys Gly Ala Lys Lys Ser Arg Phe Asp Leu Glu Lys Tyr Asn Gln Leu
305 310 315 320

Lys Asp Ala Ile Ala Gln Ala Glu Met Asp Leu Lys Arg Leu Arg Asp
325 330 335

Pro Leu Gln Val His Leu Pro Leu Arg Gln Ile Gly Glu Lys Asp
340 345 350